



# Program Alignment Summary

August 1, 2024

Kansas Board of Regents  
Building a Future for Kansas Families, Businesses and the Economy



# Program Alignment

One of the strategic priorities of the postsecondary Technical Education Authority (TEA) is to enhance technical education by aligning specific technical programs to the needs of business and industry in the state.

The Program Alignment process has four primary objectives:

1. Allow business and industry to identify value-added exit points within programs.
2. Identify and support student acquisition of 3rd party industry-recognized certification.
3. Identify a “few” Common Courses within the programs.
4. Decrease the variability in program length.



# What is Program Alignment?

Data driven process that relies on input from Business & Industry (B&I) and institutions to achieve program consistency across the state:

- Outcomes tied to B&I
- Meet the needs of all people/stakeholders
- Design multiple exit points
- Ensure adequate facilities, personnel, curriculum, and certifications



# What is Aligned?

- Overall program title and program description
- Common Courses (*titles, credit hours, description, competencies*)
- Support Courses (*only credit hours and any agreed upon competencies*)
- Program length (*maximum credit hours*)
- Exit points/Award levels (*Cert A, Cert B, Cert C, and/or AAS*)
  - 16-29 credit hours                      Certificate A
  - 30-44 credit hours                      Certificate B
  - 45-59 credit hours                      Certificate C
  - 60-68 credit hours                      Associate of Applied Science
- Industry-Recognized Certifications (*NCCER, AWS, ASE, etc.*)
- Accrediting bodies (*if any*)



# What is NOT aligned?

- Configuration of credit hours (lecture/lab) may vary to meet the needs of the individual colleges as long as the competencies are met and the credit value is the same
- Delivery modes (*i.e., online, face-to-face, 8-week sessions, 16-week sessions, etc.*)
- Course order (*must meet the established requirements within each certificate level*)
- Course Numbers
- Order of addressing competencies within a course
- General education courses
- Institutional flexibility ('Flex') courses
- Learning and assessment activities
- Textbooks

# Program Alignment Process Flowchart

## Research

## KBOR Staff

KBOR staff identifies programs for alignment, locates existing college programs and researches program standards and industry credentials

## Phase I

## Business & Industry (B&I) Committee

KBOR Staff seeks nominations of business and industry leaders for the committee to:

- define competencies and standards
- recommend appropriate industry-based certifications and accreditation
- identify future projections of specific occupations for graduates
- recommend equipment, facilities, software, instructor qualifications and certifications

## Phase II

## State Faculty Committee

Colleges nominate faculty members to serve on the State Faculty Committee to establish:

- Overall program title and description
- common courses
- appropriate courses for potential high school articulation
- program exit points and maximum program length
- criteria for the alignment map

Revisions needed

## Alignment Map Review

## College Presidents

The alignment map is distributed to College Presidents for a 10-day formal comment period. All comments are reported to the State B&I and Faculty Committees.

No revisions needed

## Phase III

## TEA and KBOR Approval

- New program structure and curriculum are approved by the Technical Education Authority (TEA) and the Kansas Board of Regents (KBOR)

## Phase IV

## Implementation by Institutions

- Colleges enter the new program into Kansas Higher Education Database System
- Revisions are made to institutional catalogs
- New program structure and courses are implemented at institutions within 1 year
- Faculty document issues which may require revision

## Phase V

## Revision

- Recommended revisions are submitted by various stakeholders – B&I Committee, State Faculty Committee, program accrediting bodies, etc.
- Revisions are subject to program alignment process established in the KBOR policy.



# Phase I of Program Alignment

## Research and Business/Industry Engagement

- Research and compile current industry standards
- Establish a State Business and Industry (B&I) Committee for program area to:
  - Discuss/Determine employer needs
  - Define competencies and standards
  - Recommend appropriate industry-based credentials
  - Recommend appropriate accreditation



# Phase II of Program Alignment

## Faculty Engagement and Aligning Curriculum with Certifications

- Utilizing State B&I recommendations, State Faculty Committee develops the following:
  - Overall program title and description
  - Common Courses and Support Courses (*with potential for high school articulation*)
  - Maximum program length
  - Potential “value-added” exit points (*with courses applicable for each exit point*)
  - Criteria for the alignment map





# Phase III of Program Alignment

## Approval of New Program Structure and Curriculum

- Newly aligned programs are reviewed by all groups and committees:
  - State Business and Industry Committee
  - State Faculty Committee
  - Statewide Institutions (*10-day formal comment period*)
- Alignment undergoes Technical Education Authority (TEA) and KBOR approval process:
  - Program and Curriculum Sub-Committee
  - Technical Education Authority (*realignment approvals stop here*)
  - Kansas Board of Regents (*new program alignments only*)



# Phase IV of Program Alignment

## Implementation

- Colleges have approximately one academic year from the KBOR approval date to complete local activities necessary to implement any program modifications:
  - Colleges enter the new program into the Institution Program Inventory section of the Kansas Higher Education Data System (KHEDS)
  - Revisions are made to institutional catalog, degree map, institution website, and other public-facing information
  - New program structure and courses implemented at institutions
  - Faculty document issues which may require revision (*structure, content, etc.*)

*Not being in alignment could result in a loss of grant funded opportunities for the institution.*



# Phase V of Program Alignment

## Standard Revision Process

- Establish a program review cycle to address changes or updating of competencies identified by business and industry-based changes in program accreditation standards, or issues with the content and/or delivery of the aligned program identified by program faculty:
  - State Faculty Committee meets to determine any necessary revisions and/or issues and make recommendations for improvements
  - State Faculty Committee recommendations are forwarded to and reviewed by the State Business and Industry Committee for approval
  - Revisions recommended by the State Faculty Committee and endorsed by the State Business and Industry Committee are forwarded for approval by the Program and Curriculum Sub-Committee and Technical Education Authority



**Certificate A**  
16-29 Credit Hours

**Construction Technology Level 1**

- NCCER Core:
  - Introductory Craft Skills
  - Construction Basics
- Safety/OSHA 10 or 30
- Concrete

**Certificate B**  
30-44 Credit Hours

**Construction Technology Level 2**

- Certificate A Requirements
- NCCER General Carpentry:
  - Carpentry I
  - Carpentry II

**Certificate C**  
45-59 Credit Hours

**Construction Technology Level 3**

- Certificate B Requirements
- NCCER Advanced Carpentry: Frame and Finish  
**OR**
- NCCER Form Carpentry

**A.A.S.**  
60-68 Credit Hours

**Construction Technology Degree**

- Certificate C Requirements
- Minimum of 15 Credit Hours of General Education

**Required Courses within Program**

<b>Common Courses</b>	<b>11-16 credits:</b>
Introductory Craft Skills	2-3 credits
Construction Basics	2-3 credits
Carpentry I	3-4 credits
Carpentry II	4-6 credits
<b>Support Courses*</b>	<b>4-6 credits:</b>
Safety/OSHA 10 or 30	1-3 credits
Concrete	min 3 credits

*Course list sequence has no implication on course scheduling by colleges.*

*Institutions may add additional competencies based on local demand.*

*Competencies identified within the Common Courses and/or Support Courses represent opportunities for articulation with K-12.*

*\*Institutions may utilize existing like course titles for Support Courses that adhere to the agreed upon course lengths.*

**Notes**

Specifics pertaining to Construction Technology programs:

1. NCCER is the National Center for Construction Education & Research.

# Checking KHEDS for Program Alignment

## Maintenance

- **Institution Program Inventory**
- Institution Course Inventory
- Elective Blocks



## Institution Program Inventory Maintenance

Excel Download and Print:  Active and Phased-out Program List  On-hold Program List

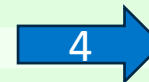
Approved  Pending  Hold  Inactive

Show  entries

Search:



Status	AY	Program Number	PI SEQ	Program Code	Program Title	Award Level	Award	Credit Hours	CIP	Perkins Reporting	Broken	
Active	2025	299	381	CST_CERTA	CONSTRUCTION TECHNOLOGY CERTA	CERTA	CERT	16	46.0201	Y		<a href="#">View/Modify</a>
Active	2025	300	382	CST_CERTB	CONSTRUCTION TECHNOLOGY_CERTB	CERTB	CERT	33	46.0201	Y		<a href="#">View/Modify</a>
Active	2025	301	383	CST_CERTC	CONSTRUCTION TECHNOLOGY_CERTC	CERTC	CERT	47	46.0201	Y		<a href="#">View/Modify</a>
Active	2025	298	380	CST	CONSTRUCTION TECHNOLOGY_AAS	ASSOC	AAS	63	46.0201	Y		<a href="#">View/Modify</a>





# Checking KHEDS for Program Alignment

**Institution Program Inventory Maintenance**

**Community/Technical College** -- Active Program Detail | SEQ #: [REDACTED]

[Go back](#) [Send Email to IRHelp](#)

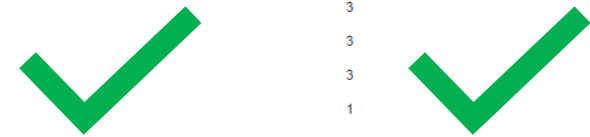
Modification Effective From: 20240801  
 Academic Year: 2025  
 Program Code: CST\_CERTB  
 Award Level: CERTB  
 IPEDS Award Level: POSTSECONDARY AWARD, CERTIFICATE, OR DIPLOMA (AT LEAST 1 BUT LESS THAN 2 ACADEMIC YEARS)  
 Award: CERT  
 Award Description: CERTIFICATE  
 Accrediting Agencies:  
 Program Title: CONSTRUCTION TECHNOLOGY\_CERTB  
 Number of Credit Hours: 33  
 Original Program Start Date: 202108  
 Distance Education: N  
 CIP: 46.0201  
 KS Study Discipline: 1.  
 2. (Manual Review)  
 3. (Manual Review)  
 Technical Program: Y  
 Perkins Reporting: Y  
 Alignment: **N**  
 AOK: N  
 Promise Eligible: Y  
 Public Display: Y  
 Comments/Justification: (less than 1000 characters) CA2 SUBMITTED - MODIFIED EMBEDDED CERTS IN CONSTRUCTION AAS PROGRAM TO MEET STATE ALIGNMENT 3/21/24 - JS

**CWP (Courses Within Program)** ← **5**

AY	CI Seq	T - Tier N - Non-Tier	Course (ID) Title	Credit Hours	
2025	2530	T	(CST3265) CARPENTRY I ✓	4	C
2025	2529	T	(CST3266) CARPENTRY II ✓	6	C
2025	2527	T	(CST3263) CONCRETE ✓	5	C
2025	2526	T	(CST3262) CONSTRUCTION BASICS ✓	3	C
2025	2532	T	(CST3249) INTRODUCTION TO CONSTRUCTION CODES	3	C
2025	2525	T	(CST3261) INTRODUCTORY CRAFT SKILLS ✓	3	C
2024	1712	T	(INR3718) OSHA 10 ✓	1	C
2024	2378	T	(CST3246) PRINCIPLES OF ELECTRICITY IN CONSTRUCTION	3	C
2024	2377	T	(CST3245) PRINCIPLES OF PLUMBING AND HVAC	3	C
2025	2534	N	(CST3274) WORKPLACE SKILLS	2	C

Required Tier Hours: 31  
 Required Non-Tier Hours: 2  
 Total Elective Hours: 0  
 Total Hours: 33  
 Elective Tier Hours: 0  
 Percent of All Tier Hours: 93.9%

- Locate the CWP (Courses Within Program)
- Compare with Program Alignment Map
  - ✓ Courses on map must be listed under respective certificate/degree level
  - ✓ Common Courses – Titles & Hours
  - ✓ Support Courses – Hours only
- Comments/Justification – Note if aligned or NOT aligned



## This program is aligned!



# Implementation of Program Alignment

- For a program to be in alignment, the new program structure, courses, and naming conventions must be consistent in the following areas:
  - Institution Program Inventory in the Kansas Higher Education Data System (KHEDS)
  - College catalog and degree maps
  - Institution website
  - Any additional public-facing program information

**Always remember to check for consistency!**

Colleges have approximately one academic year from the KBOR approval date to complete local activities necessary to implement any program modifications. *(See effective semester date on program alignment map.)*



# What if you do NOT align your programs?



Programs that are not aligned in KHEDS will **NOT** be eligible for Perkins local grant funding or reserve grant opportunities!







# Program Alignment Updates

- **Programs Recently Realigned:**

- Machining & Manufacturing Technology – Align in KHEDS by Fall 2024
- HVAC – Align in KHEDS by Fall 2024
- Construction Technology – Align in KHEDS by Fall 2025
- Practical Nursing – Align in KHEDS by Fall 2025
- Automation Engineer Technology (*in progress*)
- Industrial Machine Technology (*in progress*)
- Welding Technology (*map update only*)

- **Program Realignments Suggested:**

- Police Science/Criminal Justice
- Corrections
- Computer Support Specialist (*map update only*)





# Upcoming Program Alignment Projects

- Institution Program Alignment Verification – review of all existing programs in KHEDS Institution Program Inventory
  - Timeline being developed – will be communicated along with the process
- Updates/Additions to program alignment website landing pages
- Updated Resources on website – informational PPTs, handbook, etc.
- Articulation Maps of secondary to postsecondary articulated credit for common courses in aligned programs



# THANK YOU!

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